



8EHQ-0103-15179

mat# 65976

The Dow Chemical Company
Midland, Michigan 48674

1803 BUILDING
December 30, 2002

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Document Processing Center (TS-790)
Office of Toxic Substances
U.S. Environmental Protection Agency
Ariel Rios Building
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460
Attn: 8(e) Coordinator

Re: Propane, 1-Nitro
CASRN 108-03-2
Supplemental to 8EHQ-02-15179

Dear Sir/Madam:

The following information is being submitted by The Dow Chemical Company (Dow) pursuant to current guidance issued by EPA indicating EPA's interpretation of Section 8(e) of the Toxic Substances Control Act. While the submitter does not necessarily believe the information indicates a significant risk of injury to health or the environment, EPA guidance seems to indicate that these effects in laboratory animals should be reported to the Agency.

Five CD rats/sex/dose were exposed by inhalation to the test substance at 0, 100, 250, or 500 ppm for 14 days as part of a range-finding study in preparation for an OECD 422 Guideline study.

The 500 ppm group was terminated after 5 days due to spontaneous deaths in 3 of 5 males. Two of the males exhibited decreased activity, incoordinated gait, head tilt, and/or hindlimb splay following exposure on test day 3 and were found dead the following day. These observations were not seen in the third male and the remaining two males in the 500 ppm dose group did not exhibit these effects.



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The females in the 500 ppm dose group survived with 3/5 females exhibiting incoordinated gait and 1/5 exhibiting repetitive chewing behavior.

In the 250 ppm dose groups 2 females exhibited incoordinated gait and were subsequently removed from the study on test days 10 and 12 respectively. A third female also exhibited incoordinated gait on test day 12-13.

At 100 ppm no adverse signs of toxicity in males or females were observed.

No written report of these results is yet available. For further information, please contact the undersigned.

Sincerely,



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